

Abstract of the Disclosure

A method for recording images of small particles to analyze the quality of the particles, especially to detect any cracking in the particles, comprises the steps of feeding particle samples which each comprise at least one particle, to a place for image recording, illuminating a particle sample from at least two directions simultaneously, the illumination occurring with different light wavelengths for each direction, recording an image of the illuminated particle sample with the aid of an image-recording means, which records partial images of the particle sample in different channels, which are sensitive to different wavelengths, and comparing the different partial images to analyze the particle sample. Each partial image shows the particle sample illuminated from one direction by the channel recording only one of the different light wavelengths.

A device for carrying out the method comprises a carrier which feeds particle samples to a place for image recording, at least two illuminating means which are adapted to simultaneously illuminate a particle sample with different light wavelength and from different directions, an image-recording means which records an image of the illuminated particle sample, the image-recording means recording partial images of the particle sample in different channels, which are sensitive to different wavelengths, and an analyzing means for comparing

the different partial images for analysis of the particle sample.